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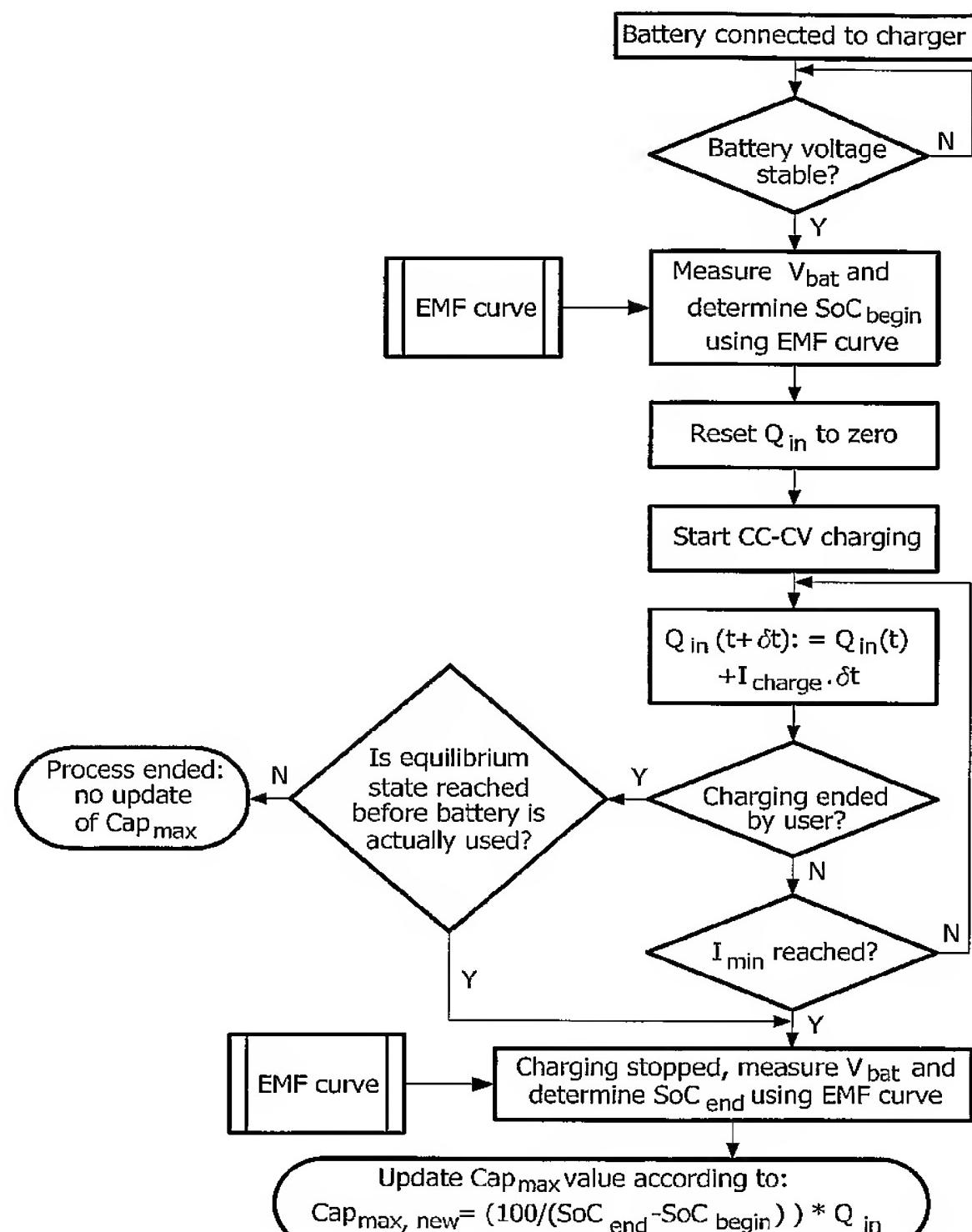
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(54) Title: METHOD OF ESTIMATING THE STATE-OF-CHARGE AND OF THE USE TIME LEFT OF A RECHARGEABLE BATTERY, AND APPARATUS FOR EXECUTING SUCH A METHOD



(57) Abstract: Disclosed is a method of estimating the state-of-charge of a rechargeable battery, taking into account the factors battery spread and ageing. The method comprises the steps of: determining the starting state-of-charge of the battery by measuring the voltage across the battery and converting this measured value into a state-of-charge value; charging the battery; integrating the charge current and determining the accumulated charge during charging of the battery and adding said value to the starting state-of-charge. Also disclosed is a method for determining the use time left of a rechargeable battery.

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